

Practice: 362 - Diversion**Scenario # 1 Diversion - Small (<2CY/FT)****Scenario Description:****Missouri**

An earthen channel constructed across long slopes with supporting ridge on lower side, to divert runoff away from farmsteads, agricultural waste systems, gullies, critical erosion areas, construction areas or other sensitive areas. Outlet may be waterway, underground outlet. or other suitable outlet. Scenario is for diversions requiring less than 2 CY of excavation per foot of diversion. Channel may be level or gradient and ridge may be vegetated or farmed. The quantity of excavation and fill is balanced.

Before Practice Situation:

Excessive sedimentation and soil erosion as a result of gully, rill or sheet erosion which exceeds "T" from farm fields and other locations. Also, roof runoff or surface runoff that becomes contaminated with agricultural wastes that significantly contributes to the amount of runoff that has to be stored or treated.

After Practice Situation:

Diversion is 1000 feet long installed using a dozer. Field system meets "T" or "clean" storm water runoff is diverted away from an agricultural waste management system to minimize the volume of runoff that is contaminated by agricultural waste. Associated practices are Critical Area Planting (342), Grassed Waterway (412), Underground Outlet (620), Mulching (484), and Subsurface Drainage (606).

Scenario Feature Measure:

Length of Diversion

Scenario Typical Size:

1000

Linear Feet

Tot Unit Cost

\$3.30

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Stripping and stockpiling, topsoil	500	Cubic Yard	\$0.83	\$415.00
Equip./Install.	Excavation, common earth, small equipment,	1000	Cubic Yard	\$2.37	\$2,370.00
Labor	Supervisor or Manager	2	Hour	\$37.21	\$74.42
Labor	General Labor	2	Hour	\$21.56	\$43.12
Mobilization	Mobilization, medium equipment	2	Each	\$200.43	\$400.86

Total Cost: \$3,303.40

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$2.15	EQIP-HU	\$2.97
EQIP-MRBI	\$2.48	EQIP-HUMRBI	\$2.97
EQIP-NOI	\$2.48	EQIP-HUNOI	\$2.97
EQIP-NSHTI	\$2.48	EQIP-HUNSHTI	\$2.97

Practice: 362 - Diversion**Scenario # 2 Diversion - Medium (2-2.9 CY/FT)****Scenario Description:****Missouri**

An earthen channel constructed across long slopes with supporting ridge on lower side, to divert runoff away from farmsteads, agricultural waste systems, gullies, critical erosion areas, construction areas or other sensitive areas. Outlet may be waterway, underground outlet. or other suitable outlet. Scenario is for diversions requiring 2 CY to 2.9 CY of excavation per foot of diversion. Channel may be level or gradient and ridge may be vegetated or farmed. The quantity of excavation and fill is balanced.

Before Practice Situation:

Excessive sedimentation and soil erosion as a result of gully, rill or sheet erosion which exceeds "T" from farm fields and other locations. Also, roof runoff or surface runoff that becomes contaminated with agricultural wastes that significantly contributes to the amount of runoff that has to be stored or treated.

After Practice Situation:

Diversion is 1000 feet long installed using a dozer. Field system meets "T" or "clean" storm water runoff is diverted away from an agricultural waste management system to minimize the volume of runoff that is contaminated by agricultural waste. Associated practices are Critical Area Planting (342), Grassed Waterway (412), Underground Outlet (620), Mulching (484), and Subsurface Drainage (606).

Scenario Feature Measure:

Length of Diversion

Scenario Typical Size:

1000

Linear Foot

Tot Unit Cost

\$7.27

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Stripping and stockpiling, topsoil	1000	Cubic Yard	\$0.83	\$830.00
Equip./Install.	Excavation, common earth, small equipment,	2500	Cubic Yard	\$2.37	\$5,925.00
Labor	Supervisor or Manager	2	Hour	\$37.21	\$74.42
Labor	General Labor	2	Hour	\$21.56	\$43.12
Mobilization	Mobilization, medium equipment	2	Each	\$200.43	\$400.86

Total Cost: \$7,273.40

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$4.73	EQIP-HU	\$6.55
EQIP-MRBI	\$5.46	EQIP-HUMRBI	\$6.55
EQIP-NOI	\$5.46	EQIP-HUNOI	\$6.55
EQIP-NSHTI	\$5.46	EQIP-HUNSHTI	\$6.55

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Scenario # 3 Diversion - Large (≥3 CY/FT)

Scenario Description:

Missouri

An earthen channel constructed across long slopes with supporting ridge on lower side, to divert runoff away from farmsteads, agricultural waste systems, gullies, critical erosion areas, construction areas or other sensitive areas. Outlet may be waterway, underground outlet. or other suitable outlet. Scenario is for diversions requiring greater than or equal to 3 CY of excavation per foot of diversion. Channel may be level or gradient and ridge may be vegetated or farmed. The quantity of excavation and fill is balanced.

Before Practice Situation:

Excessive sedimentation and soil erosion as a result of gully, rill or sheet erosion which exceeds "T" from farm fields and other locations. Also, roof runoff or surface runoff that becomes contaminated with agricultural wastes that significantly contributes to the amount of runoff that has to be stored or treated.

After Practice Situation:

Diversion is 1000 feet long installed using a dozer. Field system meets "T" or "clean" storm water runoff is diverted away from an agricultural waste management system to minimize the volume of runoff that is contaminated by agricultural waste. Associated practices are Critical Area Planting (342), Grassed Waterway (412), Underground Outlet (620), Mulching (484), and Subsurface Drainage (606).

Scenario Feature Measure:

Length of Diversion

Scenario Typical Size:	1000	Linear Foot	Tot Unit Cost	\$9.64
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Stripping and stockpiling, topsoil	1000	Cubic Yard	\$0.83	\$830.00
Equip./Install.	Excavation, common earth, small equipment,	3500	Cubic Yard	\$2.37	\$8,295.00
Labor	Supervisor or Manager	2	Hour	\$37.21	\$74.42
Labor	General Labor	2	Hour	\$21.56	\$43.12
Mobilization	Mobilization, medium equipment	2	Each	\$200.43	\$400.86

Total Cost: \$9,643.40

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$6.27	EQIP-HU	\$8.68
EQIP-MRBI	\$7.23	EQIP-HUMRBI	\$8.68
EQIP-NOI	\$7.23	EQIP-HUNOI	\$8.68
EQIP-NSHTI	\$7.23	EQIP-HUNSHTI	\$8.68